A8620-3

REPORT

NMTBA
The Association For Manufacturing Technology

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STATISTICAL
No. 37-89 March 29, 1989

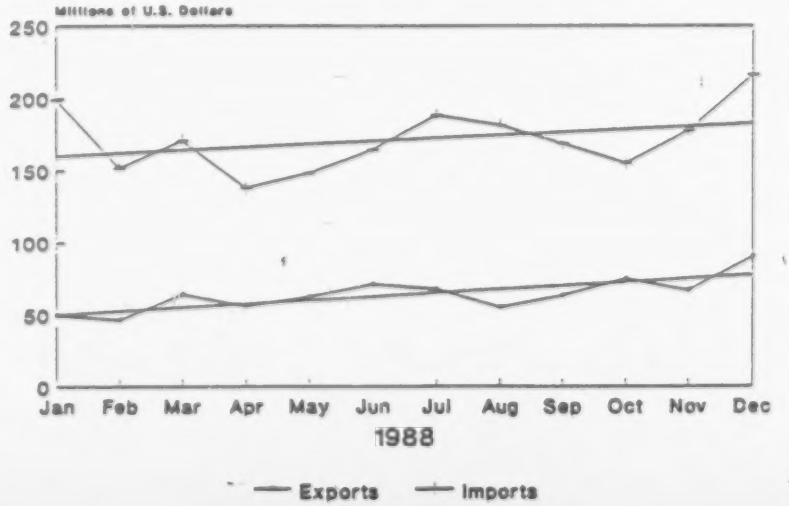
U.S. FOREIGN TRADE IN MACHINE TOOLS - 1988

For the second consecutive year the U.S. trade balance in machine tools improved. During 1988 U.S. exports jumped by 18% while U.S. imports increased by just over 3%. As a result, the U.S. trade balance improved by $54.6 million or 4%, compared with 1987.

U.S. Machine Tool Trade
($Millions)

	Fourth Quarter 1988			Annual 1988		
	Exports	Imports	Surplus (Deficit)	Exports	Imports	Surplus (Deficit)
Metal Cutting	$146.4	$401.7	($255.4)	$443.7	$1,543.3	($1,099.7)
Metal Forming	$ 85.4	$147.1	($ 61.8)	$324.6	$ 515.4	($ 190.8)
Total	$231.7	$548.9	($317.1)	$768.3	$2,058.7	($1,290.4)

U.S. Foreign Trade in Machine Tools



EXPORTS

U.S. exports of metal cutting machinery increased 16% in 1988 to $443.7 million. Metal forming machine tool exports jumped 22% to $324.6 million.

All regions in the export market displayed increases over 1987, except Africa, which fell over 6%. The leading regional market in 1988 was Asia, up 9% from 1987 to $261.0 million. Despite this, Asia showed the most significant market share change for the year, down nearly 3 percentage points from 1987.

	U.S.Exports-1988		U.S.Exports-1987		%Change 88:87
	$Mil.	% of Total	$Mil.	% of Total	Dollar Value
Asia	$261.0	33.9%	$238.8	36.7%	+9.3%
N & C America	239.5	31.1	191.3	29.4	+25.2
Europe	189.4	24.6	154.3	23.7	+22.7
South America	59.6	7.7	47.4	7.3	+25.7
Oceania	13.9	1.8	12.4	1.9	+12.1
Africa	5.8	0.8	6.2	1.0	-6.5
	$768.3		$650.4		+18.1%

Exports to the top seven countries represented 78% of total U.S. machine tool exports. Ranked by dollar value, the leading markets in 1988 were:

	U.S.Exports-1988		U.S.Exports-1987		%Change 88:87
	$Mil.	% of Total	$Mil.	% of Total	Dollar Value
Mexico	$126.8	16.5%	$89.1	13.7%	+42.4%
Canada	108.7	14.1	98.5	15.1	+10.4
Korea	73.7	9.5	85.9	13.2	-14.1
Japan	64.4	8.4	55.4	8.5	+16.3
United Kingdom	57.7	7.5	24.9	3.8	+131.6
West Germany	40.4	6.2	32.0	4.9	+26.1
China	37.4	5.8	42.5	6.5	-12.1
	$509.2	78.3%	$428.2	65.9%	+ 18.9%

In 1988, Mexico displaced Canada as the top U.S. export market for machine tools, as metal cutting exports jumped 62% to $89.0 million and metal forming exports were up 11% to $37.9 million.

Canada fell to the second slot, as metal cutting exports increased just 2% to $61.5 million. Canada was the top metal forming export market however, with U.S. shipments to that country up 24% to $47.2 million.

Korea lost its top ranking among U.S. metal forming export markets, on a 39% drop in exports to $25.3 million in 1988. Metal cutting exports were up 9% to $48.5 million for the year.

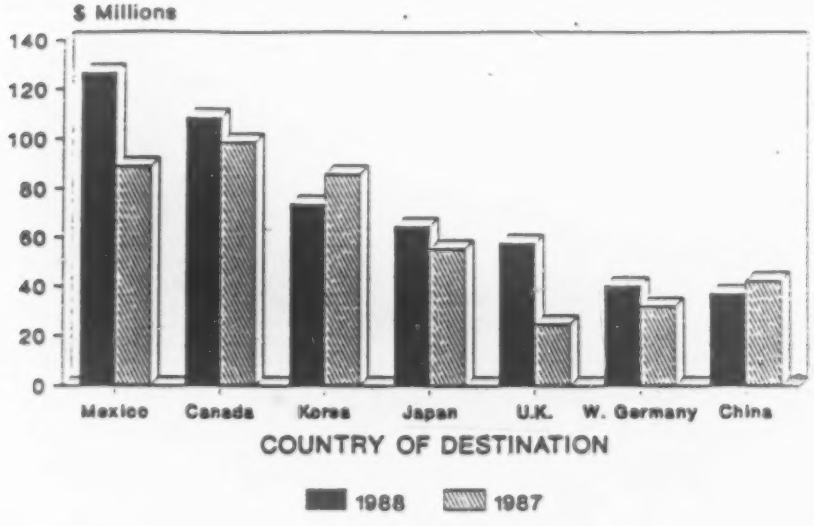
U.S. exports of metal forming equipment to Japan exceeded the cutting total, as forming increased 31% to $34.3 million. Metal cutting exports were up 3% over 1987 to $30.1 million.

Among the top export markets, the United Kingdom registered the largest percentage increases, as both cutting and forming shipments to the country doubled during 1988. Metal cutting exports reached $32.4 million, while forming exports amounted to $25.4 million.

West Germany was the only leading export market to show a decline in metal cutting, down 9% from 1987, to $17.8 million. Metal forming exports increased, however, by 81% to $22.6 million.

China dropped from its position as the fifth leading U.S. export market in 1987, as metal forming exports recorded a 50% decline during 1988 to $10.3 million. Metal cutting exports to China were up 23% to $27.1 million.

LEADING U.S. MACHINE TOOL EXPORT MARKETS
1988 vs. 1987



IMPORTS

U.S. machine tool imports stood at $2,058.7 million for 1988, up 3% from 1987. Imports of metal cutting machine tools increased over 7% to $1,543.3 million, while metal forming imports fell 8% from 1987, to $515.4 million.

	U.S. Imports-1988		U.S. Imports-1987		%Change 88:87
	$Mil.	% of Total	$Mil.	% of Total	Dollar Value
Japan	$1,112.5	54.0%	$1,061.2	53.2%	+ 4.8%
West Germany	277.5	13.5	332.0	16.6	- 16.4
Taiwan	135.5	6.6	127.5	6.4	+ 6.3
U. K.	105.8	5.1	85.4	4.3	+ 23.8
Switzerland	94.9	4.6	103.6	5.2	- 8.5
Italy	76.6	3.7	72.4	3.6	+ 5.8
	$1,802.7	87.6%	$1,782.1	89.3%	+ 1.2%

Japan's share of U.S. machine tool imports stood at 54% in 1988, as imports of metal cutting machine tools increased by over 16% to $839.2 million. Metal forming imports fell by 20% to $273.2 million. Despite this fall in metal forming shipments, Japan still accounted for 69% of the U.S. forming import total in 1988.

West Germany experienced the largest decrease among top U.S. import sources, as metal cutting fell 15% to $228.1 million, and metal forming fell 23% to $49.3 million.

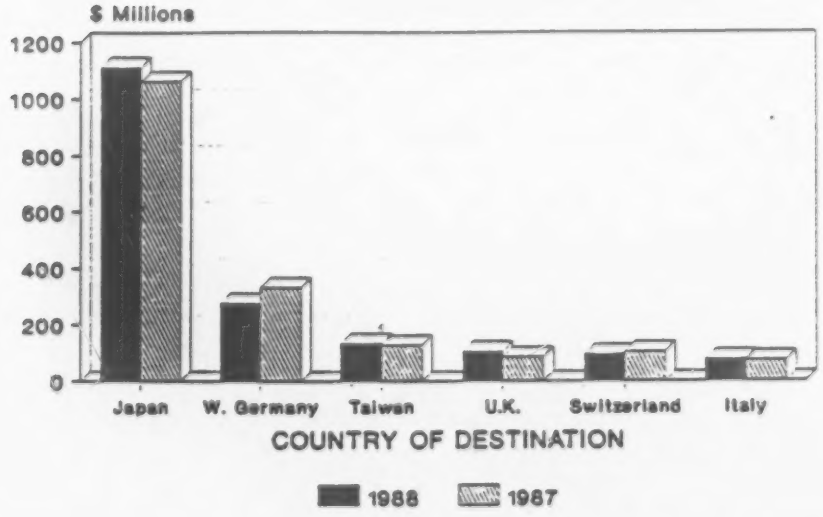
Metal forming imports from Taiwan jumped 49% during 1988, but still accounted for just 5% of their machine tool shipments to the United States, or $6.7 million. Metal cutting imports were up 5% to $128.8 million.

The United Kingdom displaced Switzerland as the fourth leading import source, as metal cutting imports from the U.K. rose 29% to $88.7 million. Metal forming imports were up 3% to $17.1 million.

Imports from Switzerland fell, as metal forming declined by over 18% to 18.5 million, and cutting fell 6% to $76.4 million.

U.S. metal forming imports from Italy increased 25% in 1988 to $33.5 million, making it the third largest U.S. import source for forming machines. However, metal cutting imports were down over 5% to $43.0 million.

LEADING U.S. MACHINE TOOL IMPORT SOURCES
1988 vs. 1987



U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1988

RELEASED MARCH 23, 1989

		TOTAL UNITS	YTD $000
674	METAL CUTTING		
3020	Gear Hobbers & Shapers	90	11320
3045	Gear Cutting Machines, N.E.C.	94	20186
3204	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel 26" or Less	103	8252
3206	Vertical Mach. Ctrs. ATC, NC, Y-Axis Travel Over 26"	11	2923
3209	Horizontal Machining Centers, ATC, NC	46	10034
3211	Machining Centers, NC, N.E.C.	123	9598
3216	Single Station and Multi-Station Transfer Machines	23	12564
3225	Way Type Machines (Unit Heads)	11	1031
3245	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	3	1042
3246	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	5	1803
3247	Vertical Boring-Drilling-Milling Machines, NC	13	2174
3248	Horiz. Boring-Drilling-Milling Machines, Non-NC	8	1074
3249	Vertical Boring-Drilling-Milling Machines, Non-NC	39	2198
3254	Drilling Machines, NC	42	1559
3255	Drilling Machines, Multi-Spindle, Non-NC	28	2065
3256	Drilling Machines, Radial, Non-NC	21	680
3257	Drilling Machines, Upright, Single Spindle, Non-NC	12	393
3258	Drilling Machines, Non-NC, N.E.C.	198	4540
3264	Milling Machines, NC	21	7747
3266	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	44	6575
3267	Milling Machines, Knee Type, Non-NC	3	139
3268	Milling Machines, Bed Type, Non-NC	17	1468
3269	Milling Machines, Non-NC, N.E.C.	218	12276
3276	Vertical Boring Machines, Incl. VTLs, NC	3	1318
3277	Vertical Boring Machines, Incl. VTLs, Non-NC	135	5554
3281	Boring Machines, NC, N.E.C.	6	387
3283	Boring Machines, Non-NC, N.E.C.	119	7872
3503	Horizontal Lathes, Multi-Spindle, NC	57	13511
3505	Horizontal Lathes, Excl. Multi-Spindle, NC, Less Than 25 HP	139	10930
3507	Horizontal Lathes, Excl. Multi-Spindle, NC, 25-50 HP	24	3057
3509	Horizontal Lathes, Excl. Multi-Spindle, NC, Over 50 HP	10	2756
3510	Horizontal Engine & Toolroom Lathes, Non-NC	110	3164
3511	Automatic Chucking Lathes, Single Spindle, Non-NC	22	2715
3512	Automatic Chucking Lathes, Multi-Spindle, Non-NC	11	818
3515	Automatic Bar Machines, Single-Spindle, Non-NC	32	753
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	44	1908
3518	Horizontal Lathes, Non-NC, N.E.C.	408	10340
3521	Vertical Lathes, Multi-Spindle, Excl. VTLs, NC	6	612
3523	Vertical Lathes, Excl. Multi-Spindle & VTLs, NC	14	781
3525	Vertical Lathes, Excl. VTLs, Non-NC	133	7578
3528	Grinding, Polishing, Honing & Lapping Machines, NC	276	38567
3529	Gear Tooth Grinding & Finishing Machines, Non-NC	52	2983
3531	Tool & Cutter Grinding Machines, Non-NC	432	7711
3532	Honing & Lapping Machines, Non-NC	593	7263
3533	Grinding Machines, Flat Surface Reciprocating Table, Non-NC	151	2586
3538	Grinding Machines, Flat Surface, Non-NC, N.E.C.	398	35493
3541	External Grinding Machines, Non-NC	23	3927
3542	Internal Grinding Machines, Non-NC	45	6576
3544	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	365	10956
3546	Grinding Machines, Non-NC, N.E.C.	327	13089
3547	Traveling Wire Electrical Discharge Machines	33	1330
3549	All Other Electrical Discharge Machines	246	3994
3551	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	18	873
3553	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	106	4046
3559	Metal Cutting Machine Tools, NC, N.E.C.	154	7124
3565	Sawing & Cut Off Machines, Non-NC	679	12093
3566	Broaching Machines, Non-NC	24	3596
3567	Metal Cutting Machine Tools, Non-NC, N.E.C.	277	6303
4000	Metal Cutting Machine Tools, Used Or Rebuilt*	7303	60586
5000	Metal Cutting Machine Tools, Less Than $2500**	29740	16400
	TOTAL CUTTING	43688	443657
674	METAL FORMING		
1011	Die Casting Machines & Parts	0	20440
3568	Metal Forming Machine Tools, Used Or Rebuilt	1122	16671
3569	Metal Forming Machine Tools, Less Than $2500	6051	3855
3571	Punching & Shearing Machines, Incl. Combination, NC	105	16989
3573	Shearing Machines, Non-NC	158	6553
3575	Punching & Combination Punching & Shearing Machines, Non-NC	1070	24760
3578	Bending, Folding, Straightening & Flattening Machines, NC	140	7104
3582	Press Brakes, Non-NC	99	4938
3583	Bending Rolls, Ram & Press Bending Machines, Non-NC	20	2803
3584	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	988	34291
3588	Mechanical Presses	304	28378
3589	Hydraulic Presses, Vertical, Single Action	121	7794
3590	Hydraulic & Pneumatic Presses	1127	53394
3594	Headers & Upsetters, Non-NC	94	22793
3595	Forging Machines, Non-NC, N.E.C.	171	4265
3598	Metal Forming Machine Tools, Non-NC, N.E.C.	1417	67401
	TOTAL FORMING	13010	324625
	TOTAL ALL TYPES	56698	768282

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3015, 3241, 3252, 3261, 3272, 3501, 3526, & 3554
**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674: 3243, 3253, 3262, 3273, 3502, 3527, & 3557

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1968

	AUSTRIA		BELGIUM		DENMARK		FRANCE		IRELAND	
B74	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	0	0	0	0	0	0
3045	0	0	1	115	0	0	2	196	0	0
3204	0	0	70	2064	0	0	7	734	0	0
3206	0	0	1	122	0	0	0	0	0	0
3209	0	0	0	0	0	0	3	540	1	471
3211	0	0	0	0	0	0	2	82	0	0
3216	0	0	0	0	1	142	0	0	0	0
3225	0	0	0	0	0	0	0	0	1	130
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	1	215	0	0	0	0	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	0	0
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	0	0	0	0	0	0	1	3	0	0
3264	0	0	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	0	0	0	0	0	0	1	113	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	7	165	0	0
3281	0	0	0	0	0	0	2	125	0	0
3283	0	0	0	0	0	0	0	0	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	1	78	23	1808	0	0	7	601	0	0
3507	0	0	0	0	0	0	1	130	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	2	72	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	3	183	1	11	2	511	1	28
3521	0	0	0	0	0	0	0	0	1	235
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	0	0	0	0	0	0	0	0
3528	0	0	0	0	1	25	2	528	0	0
3529	0	0	0	0	0	0	0	0	0	0
3531	0	0	2	89	1	97	5	162	2	14
3532	4	57	25	230	3	42	33	314	0	0
3533	0	0	0	0	0	0	0	0	0	0
3538	6	324	2	130	0	0	0	0	0	0
3541	0	0	0	0	0	0	0	0	3	205
3542	0	0	0	0	0	0	14	919	0	0
3544	3	41	0	0	1	172	6	41	3	41
3546	0	0	5	169	0	0	1	27	4	239
3547	0	0	0	0	0	0	0	0	0	0
3549	6	49	2	4	2	4	1	82	1	3
3551	0	0	0	0	0	0	2	114	0	0
3553	0	0	0	0	0	0	0	0	0	0
3559	0	0	0	0	3	74	15	604	0	0
3565	3	16	0	0	0	0	2	27	2	51
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	2	147	1	165	12	315	1	27
4000	14	8	70	760	0	0	130	1010	0	0
5000	51	33	328	242	1	2	271	187	31	25
CUT YTD	89	821	484	6063	15	734	531	7602	51	1469
1011	0	141	0	17	0	2	0	658	0	0
3568	0	0	7	114	4	81	66	901	2	49
3569	0	0	165	88	136	116	405	112	0	0
3571	0	0	0	0	0	0	0	0	0	0
3573	0	0	1	112	0	0	2	333	0	0
3575	0	0	8	128	12	905	41	1198	19	288
3578	0	0	2	150	4	138	5	106	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	1	45	0	0
3584	1	79	2	215	3	65	20	926	11	485
3588	0	0	1	17	3	87	10	1926	0	0
3589	4	117	6	119	0	0	1	577	4	1371
3590	0	0	0	0	1	12	10	224	0	0
3594	0	0	1	17	0	0	1	582	0	0
3595	0	0	0	0	0	0	1	5	1	31
3598	26	162	15	558	0	0	35	1636	2	48
MM YTD	31	499	208	1535	163	1406	598	9229	39	2272
TOT YTD	120	1320	692	7598	178	2140	1129	16831	90	3741

U S EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1988

	ITALY		NETHERLANDS		POLAND		SPAIN		SWEDEN	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	6	1882	0	0	0	0	0	0	0	0
3045	1	392	1	51	0	0	0	0	0	0
3204	0	0	0	0	0	0	0	0	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	0	0
3211	1	123	2	45	0	0	0	0	0	0
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	6	180	0	0	1	157	1	600
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	2	12	0	0	0	0	0	0
3254	3	103	0	0	0	0	0	0	0	0
3255	1	92	0	0	0	0	0	0	0	0
3256	1	176	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	5	524	0	0	0	0	1	60	2	93
3264	2	485	0	0	0	0	0	0	0	0
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	1	20	1	25	0	0	0	0	1	125
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	0	0	0	0	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	3	47	0	0	0	0	1	100	0	0
3503	0	0	0	0	0	0	0	0	0	0
3505	0	0	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	0	0	0	0	0	0	0	0	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	8	367	0	0
3518	1	12	10	190	0	0	0	0	2	23
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	8	839	0	0	0	0	0	0	0	0
3528	15	1875	1	263	0	0	0	0	0	0
3529	3	108	0	0	0	0	0	0	0	0
3531	4	143	4	23	0	0	3	205	0	0
3532	42	361	11	93	4	57	13	108	8	62
3533	0	0	3	38	0	0	0	0	0	0
3538	23	1037	1	84	3	31	0	0	0	0
3541	0	0	0	0	0	0	0	0	0	0
3542	0	0	1	124	0	0	0	0	0	0
3544	6	285	14	164	0	0	0	0	1	152
3546	0	0	3	460	0	0	1	18	2	26
3547	0	0	0	0	0	0	0	0	0	0
3549	15	329	7	11	0	0	4	6	9	68
3551	0	0	0	0	0	0	0	0	0	0
3553	4	96	0	0	0	0	0	0	0	0
3559	30	1293	2	26	0	0	3	715	2	32
3565	10	298	37	515	0	0	4	47	0	0
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	0	0	0	0	6	28	5	45
4000	268	2426	54	376	3	6	12	138	57	861
5000	336	189	272	199	0	0	293	127	162	128
CUT YTD	789	13135	432	2879	10	94	350	2076	252	2215
1011	0	72	0	95	0	0	0	51	0	145
3568	9	183	0	0	0	0	23	223	3	191
3569	15	13	72	13	0	0	0	0	51	10
3571	0	0	11	2184	0	0	0	0	0	0
3573	1	61	0	0	0	0	0	0	0	0
3575	12	335	33	705	0	0	14	218	10	129
3578	1	16	2	68	0	0	3	92	0	0
3582	0	0	0	0	0	0	0	0	0	0
3583	0	0	0	0	0	0	0	0	0	0
3584	46	1332	6	31	0	0	36	996	12	291
3588	9	2213	2	42	0	0	1	399	0	0
3589	1	51	0	0	0	0	0	0	1	31
3590	4	104	4	46	0	0	4	184	0	0
3594	7	2745	1	25	0	0	2	812	0	0
3595	5	151	2	66	1	50	0	0	0	0
3598	22	859	71	1295	0	0	19	2179	11	594
FRM YTD	132	8135	204	4570	1	50	102	5154	88	1391
TOT YTD	921	21270	636	7449	11	144	452	7230	340	3606

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1988

	SWITZERLAND		U. KINGDOM		USSR		W. GERMANY		YUGOSLAVIA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	1	880	2	601	0	0
3045	0	0	18	1732	0	0	7	1073	0	0
3204	0	0	11	667	0	0	2	171	0	0
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	3	742	0	0	1	316	0	0
3211	0	0	21	1629	0	0	9	891	0	0
3216	0	0	1	105	0	0	0	0	0	0
3225	0	0	0	0	0	0	3	237	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	2	492	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	0	0	0	0	0	0	0	0
3254	0	0	19	1272	0	0	2	83	0	0
3255	0	0	0	0	0	0	1	185	0	0
3256	0	0	4	57	0	0	0	0	0	0
3257	0	0	4	231	0	0	0	0	0	0
3258	0	0	41	172	0	0	8	555	0	0
3264	0	0	2	105	0	0	0	0	0	0
3266	0	0	3	2203	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	7	516	0	0	0	0	0	0
3269	2	211	5	254	0	0	1	5	0	0
3276	0	0	0	0	0	0	0	0	0	0
3277	2	38	21	675	0	0	30	548	0	0
3281	0	0	1	64	0	0	0	0	0	0
3283	0	0	6	597	0	0	2	119	0	0
3503	0	0	1	127	0	0	0	0	0	0
3505	0	0	44	2389	0	0	0	0	0	0
3507	0	0	11	1458	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	0	0
3510	3	45	8	59	0	0	1	220	0	0
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	1	27	0	0	0	0	0	0
3515	0	0	9	67	0	0	0	0	0	0
3516	0	0	0	0	0	0	4	324	0	0
3518	20	184	16	596	0	0	12	228	0	0
3521	1	48	0	0	0	0	0	0	0	0
3523	0	0	1	56	0	0	1	226	0	0
3525	8	302	6	198	0	0	1	21	0	0
3528	1	215	29	1841	0	0	23	2913	0	0
3529	0	0	4	156	0	0	10	251	0	0
3531	5	256	9	254	0	0	61	658	0	0
3532	21	285	38	474	6	67	134	1358	1	11
3533	0	0	10	126	0	0	0	0	0	0
3538	1	337	12	965	0	0	5	344	0	0
3541	1	183	2	619	1	62	1	100	0	0
3542	0	0	5	450	0	0	13	853	0	0
3544	5	55	23	322	0	0	26	1729	0	0
3546	7	33	39	1165	0	0	8	581	0	0
3547	0	0	24	984	0	0	1	129	0	0
3549	2	54	35	430	0	0	14	31	1	106
3551	0	0	1	74	0	0	1	65	0	0
3553	2	82	2	169	0	0	1	180	0	0
3559	2	36	7	644	0	0	7	200	0	0
3565	6	121	23	773	6	114	12	164	0	0
3566	0	0	2	720	0	0	0	0	0	0
3567	2	13	10	69	0	0	7	208	0	0
4000	27	340	338	4740	6	61	110	746	1	74
5000	184	109	2289	1387	52	33	1128	972	0	0
CUT YTD	302	2947	3166	32360	72	1217	1651	17777	3	191
1011	0	151	0	1932	0	0	0	2178	0	149
3568	3	435	18	1130	0	0	29	585	3	50
3569	36	21	133	111	0	0	925	442	0	0
3571	0	0	6	813	0	0	3	465	1	205
3573	0	0	1	2369	0	0	1	5	0	0
3575	6	110	39	874	0	0	41	1201	0	0
3578	2	81	10	237	0	0	24	1115	0	0
3582	0	0	0	0	0	0	2	12	0	0
3583	0	0	1	55	0	0	0	0	0	0
3584	2	19	84	2013	0	0	69	1558	1	95
3588	0	0	11	1535	0	0	10	3127	1	200
3589	2	71	19	728	2	52	2	283	0	0
3590	2	122	82	6066	1	64	79	5381	0	0
3594	1	58	1	575	0	0	21	4378	0	0
3595	0	0	4	159	0	0	2	23	0	0
3598	8	664	120	6762	0	0	67	1877	2	189
FRM YTD	62	1732	529	25359	3	116	1275	22630	8	888
TOT YTD	364	4679	3695	57719	75	1383	2926	40407	11	1079

U S EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1988

	OTH EUROPE		CANADA		MEXICO		OTH N & C		ARGENTINA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
2020	0	0	42	1592	4	194	0	0	0	0
3045	4	3112	3	1195	12	1868	1	109	0	0
3204	0	0	24	2101	3	124	0	0	1	134
3206	0	0	1	95	1	350	0	0	0	0
3209	0	0	13	2127	2	142	0	0	0	0
3211	1	53	8	804	17	568	0	0	0	0
3216	0	0	7	2892	5	1870	0	0	0	0
3225	0	0	4	340	2	128	0	0	0	0
3245	0	0	0	0	1	267	0	0	0	0
3246	0	0	2	446	0	0	0	0	0	0
3247	1	512	1	75	0	0	0	0	0	0
3248	0	0	1	150	1	68	0	0	0	0
3249	0	0	9	887	23	777	1	12	0	0
3254	0	0	8	896	4	290	0	0	0	0
3255	1	138	9	419	6	304	0	0	0	0
3256	0	0	1	57	7	97	0	0	0	0
3257	0	0	2	6	4	39	0	0	0	0
3258	1	6	15	125	47	711	4	21	0	0
3264	0	0	7	1859	1	44	0	0	0	0
3266	0	0	22	3195	4	63	0	0	0	0
3267	0	0	3	139	0	0	0	0	0	0
3268	0	0	6	454	1	48	0	0	0	0
3269	0	0	25	1357	82	3792	9	137	0	0
3276	0	0	2	708	0	0	0	0	0	0
3277	0	0	8	957	20	1307	1	19	0	0
3281	0	0	0	0	1	85	0	0	0	0
3283	0	0	20	1502	44	1215	3	31	0	0
3503	0	0	3	276	30	6873	0	0	0	0
3505	0	0	25	1994	6	527	0	0	3	247
3507	0	0	9	1721	0	0	0	0	1	179
3509	0	0	0	0	4	590	0	0	0	0
3510	0	0	25	524	35	554	2	10	0	0
3511	1	130	1	328	4	166	0	0	0	0
3512	0	0	4	268	2	172	0	0	0	0
3515	0	0	14	550	0	0	0	0	0	0
3516	0	0	15	534	2	80	0	0	0	0
3518	3	36	39	553	136	1951	2	16	2	13
3521	0	0	0	0	3	174	0	0	0	0
3523	0	0	0	0	10	442	0	0	0	0
3525	0	0	11	1358	35	1457	1	242	0	0
3528	28	3622	10	1022	68	15833	0	0	0	0
3529	0	0	8	528	5	83	0	0	0	0
3531	3	18	167	1408	59	512	0	0	3	195
3532	15	251	28	474	43	648	6	61	1	10
3533	0	0	17	188	12	161	0	0	0	0
3538	0	0	20	1231	143	15291	5	152	1	115
3541	0	0	7	825	3	567	0	0	0	0
3542	0	0	5	1955	1	333	1	21	0	0
3544	0	0	41	2070	21	222	0	0	3	31
3546	2	466	54	3009	133	3412	4	22	1	31
3547	0	0	2	32	0	0	0	0	0	0
3549	6	12	53	1008	17	494	0	0	4	10
3551	1	50	7	246	3	144	0	0	1	54
3553	0	0	15	929	8	309	0	0	0	0
3559	1	85	50	1130	5	194	0	0	0	0
3565	4	17	215	2191	172	2522	3	20	4	252
3566	0	0	2	19	2	188	0	0	0	0
3567	0	0	40	606	82	1845	3	22	0	0
4000	55	1155	506	5569	3856	16753	121	516	3	11
5000	361	275	10771	4599	3357	2132	373	223	109	86
CUT YTD	488	9938	12407	61523	8569	88980	540	1634	137	1368
1011	0	460	0	6481	0	1425	0	199	0	0
3568	1	28	224	2152	472	5235	16	135	23	585
3569	48	13	2258	1294	838	938	101	49	6	6
3571	2	298	46	5664	0	0	2	160	1	128
3573	2	25	43	1818	52	747	0	0	0	0
3575	10	204	131	2620	111	2079	12	268	3	167
3578	11	442	20	972	8	504	3	119	0	0
3582	0	0	48	1976	16	950	0	0	0	0
3583	0	0	4	212	9	325	1	109	0	0
3584	55	877	216	4540	131	6965	8	110	2	43
3588	2	174	18	1139	96	2212	0	0	7	1547
3589	2	73	1	108	26	1092	0	0	0	0
3590	1	35	127	4877	576	10128	1	6	4	77
3594	1	81	8	1575	1	119	0	0	0	0
3595	3	153	62	849	42	1364	10	202	2	36
3598	4	92	230	7920	186	2773	13	942	5	124
FRM YTD	142	2955	3436	47197	2564	37856	167	2299	53	2709
TOT YTD	630	12893	15843	108720	11133	126836	707	3933	190	4077

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1988

	BRAZIL		COLOMBIA		VENEZUELA		OTH S AM		CHINA	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	0	0	3	304	2	80	0	0
3045	6	2631	3	238	6	759	1	147	10	1484
3204	0	0	0	0	1	25	0	0	3	674
3206	0	0	0	0	4	899	0	0	4	1457
3209	0	0	0	0	1	300	0	0	3	1877
3211	9	403	8	431	1	66	0	0	4	1843
3216	0	0	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	1	196
3245	0	0	0	0	0	0	0	0	2	775
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	1	75	0	0	1	114
3249	0	0	0	0	1	243	0	0	0	0
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	1	60	0	0	0	0
3256	0	0	1	42	0	0	0	0	0	0
3257	0	0	1	114	0	0	0	0	0	0
3258	1	6	1	5	11	471	25	349	1	16
3264	0	0	0	0	0	0	0	0	1	121
3266	0	0	0	0	4	84	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	3	450
3269	33	1300	0	0	25	671	1	17	1	16
3276	0	0	0	0	0	0	0	0	1	610
3277	2	86	0	0	12	928	0	0	4	350
3281	0	0	0	0	0	0	0	0	0	0
3283	0	0	0	0	2	94	2	57	2	201
3503	2	235	0	0	5	937	0	0	2	2566
3505	3	430	4	320	4	505	1	102	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	0	0	0	0	0	0	0	0	3	612
3510	1	33	3	19	10	288	0	0	2	39
3511	0	0	0	0	8	614	0	0	3	543
3512	0	0	0	0	0	0	0	0	0	0
3515	2	32	1	12	1	6	0	0	0	0
3516	8	316	5	200	0	0	0	0	0	0
3518	4	318	4	29	10	119	5	65	1	441
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	1	12	3	701	0	0	0	0
3528	0	0	1	45	0	0	1	31	14	920
3529	2	99	0	0	1	33	0	0	0	0
3531	4	404	1	4	4	24	0	0	14	930
3532	2	59	4	54	4	27	1	11	27	464
3533	0	0	0	0	0	0	0	0	26	406
3538	40	2416	0	0	8	83	6	47	15	2601
3541	0	0	0	0	1	136	0	0	0	0
3542	0	0	0	0	0	0	0	0	1	433
3544	8	62	0	0	0	0	1	7	4	536
3546	2	96	0	0	4	209	3	82	6	870
3547	1	8	0	0	0	0	0	0	0	0
3549	2	515	2	35	5	44	1	4	5	46
3551	0	0	0	0	0	0	0	0	0	0
3553	12	280	0	0	0	0	4	371	1	12
3559	1	36	0	0	1	24	0	0	0	0
3565	2	10	4	49	3	204	3	42	10	1966
3566	0	0	0	0	1	34	0	0	0	0
3567	0	0	14	88	5	91	1	11	3	70
4000	30	819	102	1299	370	5172	150	862	182	3431
5000	113	148	97	109	2637	939	237	208	81	35
CUT YTD	290	10742	257	3105	3158	15169	445	2493	441	27105
1011	0	175	0	51	0	358	0	194	0	1678
3568	10	211	29	512	8	86	13	276	65	1185
3569	8	8	21	22	207	125	12	10	0	0
3571	1	292	0	0	2	468	0	0	1	274
3573	1	7	0	0	1	33	0	0	1	48
3575	19	244	13	157	15	178	14	329	10	265
3578	0	0	0	0	13	871	0	0	11	1045
3582	0	0	0	0	1	25	4	97	0	0
3583	0	0	1	153	0	0	0	0	1	1086
3584	4	139	4	36	4	195	3	76	54	1904
3588	9	322	6	111	15	1415	0	0	3	106
3589	0	0	0	0	1	41	0	0	5	670
3590	0	0	3	222	13	2816	1	18	4	566
3594	12	3326	1	123	0	0	0	0	0	0
3595	12	203	0	0	4	311	2	31	1	16
3598	37	5343	40	552	32	3080	19	760	21	1431
FRM YTD	113	10270	118	1939	316	10002	68	1791	177	10274
TOT YTD	403	21012	375	5044	3474	25171	513	4284	618	37379

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1988

	HONG KONG		INDIA		INDONESIA		ISRAEL		JAPAN	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	0	0	9	1954	0	0	8	120	1	240
3045	1	144	3	1273	0	0	0	0	11	2540
3204	0	0	0	0	0	0	0	0	4	560
3206	0	0	0	0	0	0	0	0	0	0
3209	0	0	0	0	0	0	0	0	10	1193
3211	0	0	0	0	0	0	0	0	15	997
3216	0	0	0	0	0	0	0	0	4	920
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	0	0
3247	0	0	0	0	0	0	0	0	0	0
3248	0	0	0	0	0	0	0	0	0	0
3249	0	0	1	7	0	0	0	0	1	45
3254	0	0	0	0	0	0	0	0	0	0
3255	0	0	0	0	0	0	0	0	4	241
3256	0	0	0	0	0	0	0	0	0	0
3257	0	0	0	0	0	0	0	0	1	3
3258	0	0	0	0	0	0	0	0	11	199
3264	0	0	0	0	0	0	0	0	4	448
3266	0	0	0	0	0	0	0	0	0	0
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	1	217	2	600	0	0	0	0	7	464
3276	0	0	0	0	0	0	0	0	0	0
3277	2	30	0	0	6	109	2	27	0	0
3281	0	0	0	0	0	0	0	0	2	113
3283	0	0	0	0	0	0	0	0	2	159
3503	1	390	0	0	0	0	0	0	5	541
3505	2	215	0	0	0	0	0	0	13	1485
3507	0	0	0	0	0	0	0	0	2	469
3509	0	0	0	0	0	0	0	0	1	504
3510	0	0	1	87	0	0	1	25	7	425
3511	0	0	0	0	0	0	0	0	0	0
3512	0	0	1	30	0	0	0	0	2	135
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	3	22	0	0	0	0	2	36	48	2771
3521	0	0	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	0	0
3525	0	0	25	729	3	48	2	73	7	449
3528	0	0	4	595	0	0	0	0	39	3126
3529	0	0	5	234	0	0	0	0	4	887
3531	15	107	0	0	1	4	1	4	21	636
3532	5	54	2	152	0	0	2	21	3	60
3533	8	94	0	0	0	0	0	0	3	32
3538	9	706	5	604	0	0	17	3036	12	1385
3541	0	0	0	0	0	0	0	0	1	587
3542	0	0	0	0	0	0	0	0	1	447
3544	6	52	15	185	0	0	0	0	75	2330
3546	1	4	0	0	0	0	1	8	17	331
3547	0	0	0	0	0	0	0	0	0	0
3549	5	132	0	0	1	8	2	4	2	106
3551	0	0	0	0	0	0	1	37	0	0
3553	4	70	0	0	0	0	0	0	28	838
3559	2	22	5	400	0	0	1	13	2	540
3565	2	37	51	834	4	72	5	87	37	767
3566	0	0	0	0	0	0	0	0	0	0
3567	0	0	1	40	0	0	1	3	22	731
4000	28	513	25	530	107	167	48	141	89	1503
5000	224	195	135	85	6	9	120	74	1738	934
CUT YTD	319	3004	290	8339	128	417	214	3709	2256	30141
1011	0	69	0	206	0	0	0	35	0	631
3568	0	0	2	33	1	85	0	0	10	181
3569	33	29	18	17	5	4	19	13	130	81
3571	0	0	1	30	0	0	3	718	1	122
3573	1	20	0	0	0	0	1	35	9	210
3575	22	343	5	64	0	0	8	366	136	3525
3578	1	70	0	0	1	281	0	0	9	404
3582	6	847	1	49	2	120	1	240	1	30
3583	0	0	0	0	0	0	0	0	0	0
3584	13	388	7	111	0	0	1	16	71	4803
3588	7	286	1	15	0	0	1	63	30	4325
3589	1	21	19	589	0	0	0	0	13	414
3590	10	929	3	158	0	0	3	34	95	10888
3594	0	0	1	454	0	0	1	389	15	2105
3595	0	0	0	0	0	0	0	0	6	218
3598	90	1317	21	620	1	11	1	467	106	6317
FRM YTD	184	4319	79	2346	10	511	39	2376	632	34254
TOT YTD	503	7323	369	10685	138	928	253	6085	2888	64395

U.S. EXPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF DESTINATION BY TYPE OF MACHINE
DECEMBER 1988

	KOREAN REP		PAKISTAN		S ARABIA		SINGAPORE		TAIWAN	
e74	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3020	12	3473	0	0	0	0	0	0	0	0
3045	0	0	0	0	0	0	0	0	2	1072
3204	17	668	0	0	0	0	1	118	8	180
3206	0	0	0	0	0	0	0	0	0	0
3209	3	758	0	0	0	0	2	69	1	40
3211	5	313	4	195	0	0	2	91	3	175
3216	5	6635	0	0	0	0	0	0	0	0
3225	0	0	0	0	0	0	0	0	0	0
3245	0	0	0	0	0	0	0	0	0	0
3246	0	0	0	0	0	0	0	0	1	865
3247	3	650	0	0	0	0	0	0	0	0
3248	3	641	0	0	0	0	0	0	1	26
3249	0	0	0	0	0	0	0	0	0	0
3254	1	254	0	0	0	0	3	91	0	0
3255	0	0	0	0	0	0	1	75	4	551
3256	0	0	1	48	2	46	2	67	0	0
3257	0	0	0	0	0	0	0	0	0	0
3258	11	798	0	0	2	17	5	45	3	255
3264	2	4450	0	0	0	0	1	176	0	0
3266	10	1021	0	0	0	0	0	0	1	5
3267	0	0	0	0	0	0	0	0	0	0
3268	0	0	0	0	0	0	0	0	0	0
3269	11	1543	0	0	0	0	0	0	1	14
3276	0	0	0	0	0	0	0	0	0	0
3277	0	0	0	0	1	12	16	284	0	0
3281	0	0	0	0	0	0	0	0	0	0
3283	21	3301	0	0	0	0	1	50	0	0
3503	4	909	0	0	0	0	0	0	2	427
3505	2	165	0	0	0	0	0	0	0	0
3507	0	0	0	0	0	0	0	0	0	0
3509	1	154	0	0	0	0	1	896	0	0
3510	5	641	0	0	0	0	2	7	1	71
3511	1	75	0	0	0	0	0	0	4	849
3512	1	186	0	0	0	0	0	0	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	2	87	0	0	0	0	0	0	0	0
3518	27	1335	0	0	5	42	14	307	13	81
3521	1	155	0	0	0	0	0	0	0	0
3523	0	0	0	0	0	0	0	0	2	57
3525	16	740	0	0	0	0	0	0	2	274
3528	15	3823	0	0	0	0	2	325	18	1271
3529	9	407	0	0	0	0	0	0	0	0
3531	4	482	0	0	2	19	2	10	16	746
3532	31	515	0	0	0	0	3	34	14	158
3533	27	508	0	0	0	0	3	117	35	618
3538	13	1403	3	47	0	0	19	1598	10	943
3541	1	325	0	0	0	0	0	0	2	318
3542	2	477	0	0	0	0	0	0	0	0
3544	4	435	0	0	4	44	11	483	79	1411
3546	13	577	0	0	0	0	1	280	6	692
3547	0	0	4	174	0	0	0	0	0	0
3549	3	79	0	0	0	0	3	142	4	18
3551	1	89	0	0	0	0	0	0	0	0
3553	21	600	0	0	0	0	1	11	2	86
3559	6	85	0	0	0	0	2	41	2	69
3565	15	231	2	36	5	161	1	10	10	231
3566	15	2034	2	601	0	0	0	0	0	0
3567	29	524	0	0	1	10	6	108	8	304
4000	135	6440	65	278	5	42	65	946	59	417
5000	491	367	1	2	258	219	1026	305	490	165
CUT YTD	999	48453	82	1381	285	612	1196	6776	806	13024
1011	0	993	0	4	0	9	0	242	0	402
3568	55	1469	0	0	0	0	6	67	0	0
3569	84	46	0	0	17	16	99	89	18	14
3571	4	513	0	0	0	0	0	0	1	124
3573	5	88	0	0	0	0	1	16	8	187
3575	61	1501	0	0	0	0	14	121	18	1765
3578	4	107	0	0	0	0	0	0	1	175
3582	1	82	0	0	0	0	0	0	2	40
3583	1	809	0	0	1	9	0	0	0	0
3584	15	748	1	21	4	180	2	95	11	407
3588	21	3442	0	0	5	586	10	531	11	1457
3589	5	1208	0	0	1	25	0	0	0	0
3590	23	6010	0	0	0	0	6	85	23	1435
3594	12	4296	1	28	0	0	0	0	1	406
3595	11	397	0	0	0	0	0	0	0	0
3598	60	3566	7	371	12	797	26	1255	27	6188
FRM YTD	362	25275	9	424	40	1622	164	2501	121	12600
TOT YTD	1361	73728	91	1805	325	2234	1360	9277	927	25624

OTHER EUROPE

ALBANIA	0	0	0	0	0	0
AUSTRIA	3	1	0	409	17	191
BELGIUM	3	1	0	12	1	3
CZECHOSLOVAKIA	0	0	0	45	1	58
EAST GERMANY	0	0	0	28	1	28
FINLAND	12	249	11	400	127	1,249
GREECE	0	0	0	0	0	0
HUNGARY	7	1411	5	124	49	1611
ICELAND	13	14	1	270	8	1703
MALTA	0	0	0	5	42	19
NORWAY	22	294	41	628	218	927
PORTUGAL	59	1590	14	433	51	2021
ROMANIA	0	0	0	0	0	0
OTHER EUROPE	0	0	0	0	0	0
TOTAL	488	9938	142	2955	939	12,89

OTHER NORTH AND CENTRAL AMERICA

BAHAMAS	182	123	2	77	184	200
BARBADOS	7	21	2	78	9	33
BELIZE	1	109	4	1	5	11
BERMUDA	10	40	0	0	10	40
CAYMAN ISLANDS	0	0	0	0	0	0
COSTA RICA	90	283	97	181	187	564
DOMINICAN REP	82	372	20	359	102	731
FR W INDIES	0	0	0	0	0	0
GUATEMALA	44	115	10	75	54	190
HAITI	3	13	2	72	5	45
HONDURAS	17	54	12	761	29	814
JAMAICA	14	117	5	95	19	212
NETH W IS	0	0	0	0	0	0
NICARAGUA	0	0	0	0	0	0
NETH ANTILLES	8	11	0	14	8	25
PANAMA	14	14	2	14	16	48
SALVADOR	42	205	3	215	45	420
TRINIDAD	20	66	3	189	23	295
TURK ISLAND	1	2	0	0	1	2
OTHER N & C AM	5	49	5	163	10	212
TOTAL	540	1634	167	2299	707	3933

OTHER SOUTH AMERICA

BOLIVIA	33	24	0	0	33	24
CHILE	140	1194	30	384	170	1478
ECUADOR	124	209	28	611	152	820
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	3	4	0	0	3	4
PARAGUAY	7	18	0	0	7	18
PERU	103	914	6	470	109	1384
SURINAM	0	0	1	8	1	8
URAGUAY	31	105	3	18	34	123
OTHER S AM	1	5	0	0	1	5
TOTAL	445	2493	68	1791	513	4284

OTHER OCEANIA

FR PAC IS	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
SAMOA	0	0	0	0	0	0
TERR PAC IS	0	0	0	0	0	0
OTH PAC IS	2	2	0	2	2	2
OTHER OCEANIA	1	4	0	1	1	4
TOTAL	3	6	0	3	3	6

U.S. IMPORTS OF MACHINE TOOLS, YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1988

RELEASED MARCH 01, 1989

		TOTAL UNITS	TOTAL $000
674	METAL CUTTING		
1025	Gear Hobbers	78	10773
1035	Gear Shapers	15	3744
1045	Gear Cutting Machines, N.E.C.	41	6214
1404	Vertical Mach. Ctrs. A/C, NC, Y Axis Travel 26" or Less	1788	30491
1406	Vertical Mach. Ctrs. A/C, NC, Y Axis Travel Over 26"	44	11004
1409	Horizontal Machining Centers, A/C, NC	588	12931
1411	Machining Centers, NC, N.E.C.	144	11760
1412	Single Station and Multi-Station Transfer Machines	184	27937
1413	Way Type Machines (Unit Heads)	0	0
1417	Horiz. Boring-Drilling-Milling Machines, Table Type, NC	19	1936
1418	Horiz. Boring-Drilling-Milling Machines, NC, N.E.C.	48	5880
1419	Vertical Boring-Drilling-Milling Machines, NC	135	3062
1422	Horiz. Boring-Drilling-Milling Machines, Non-NC	14	1658
1423	Vertical Boring-Drilling-Milling Machines, Non-NC	192	5068
3328	Drilling Machines, NC	273	11604
3329	Drilling Machines, Multi-Spindle, Non-NC	98	1038
3334	Drilling Machines, Radial, Non-NC	201	1329
3336	Drilling Machines, Upright, Single Spindle, Non-NC	165	1674
3342	Drilling Machines, Non-NC, N.E.C.	586	17666
3464	Milling Machines, NC	468	42059
3466	Milling Machines, Profiling, Dupl. & Die Sinking, Non-NC	31	1846
3467	Milling Machines, Knee Type, Non-NC	3127	18442
3468	Milling Machines, Bed Type, Non-NC	314	11021
3469	Milling Machines, Non-NC, N.E.C.	2277	39657
3476	Vertical Boring Machines, Incl. VTL's, NC	10	2543
3477	Vertical Boring Machines, Incl. VTL's, Non-NC	41	1538
3481	Boring Machines, NC, N.E.C.	14	3018
3483	Boring Machines, Non-NC N.E.C.	368	10729
3504	Horizontal Lathes, Multi-Spindle, NC	170	20144
3506	Horizontal Lathes, Single Spindle, Less than 25 HP, NC	3459	216263
3508	Horizontal Lathes, Single Spindle, 25-50 HP, NC	522	64495
3510	Horizontal Lathes, Single Spindle, Over 50 HP, NC	57	3974
3512	Horizontal Engine & Toolroom Lathes, Non-NC	3381	30427
3513	Automatic Chucking Lathes, Single Spindle, Non-NC	51	1135
3514	Automatic Chucking Lathes, Multi-Spindle, Non-NC	20	1579
3515	Automatic Bar Machines, Single Spindle, Non-NC	119	3394
3516	Automatic Bar Machines, Multi-Spindle, Non-NC	45	2217
3518	Horizontal Lathes, Non-NC, N.E.C.	265	4977
3505	Vertical Lathes, Multi-Spindle, NC	67	9412
3519	Vertical Lathes, NSPF, NC	174	16470
3522	Vertical Lathes, Excl. VTL's, Non-NC	1099	22400
3527	Gear Tooth Grinding & Finishing Machines	524	24538
3528	Tool & Cutter Grinding Machines, NC	106	7240
3529	Tool & Cutter Grinding Machines, Non-NC	1136	32896
3533	Honing & Lapping Machines	329	16200
3539	Grinding Machines, Flat Surface, NC	62	8236
3541	Grinding Machines, Flat Surface, Reciprocating Table, Non-NC	732	11511
3543	Grinding Machines, Flat Surface, Non-NC, N.E.C.	2053	24055
3546	Grinding & Polishing Machines, NC, N.E.C.	183	26937
3554	External Grinding Machines, Non-NC	340	12823
3556	Internal Grinding Machines, Non-NC	50	4463
3558	Grinding, Polishing & Buffing Machines, Non-NC, N.E.C.	165	6027
3559	Grinding Machines, Non-NC, N.E.C.	1409	44146
3562	Traveling Wire Electrical Discharge Machines	860	65295
3564	All Other Electrical Discharge Machines	359	15728
3567	Spark Erosion, Ultrasonic & Electrolytic Machines, NC	110	14767
3571	Spark Erosion, Ultrasonic & Electrolytic Machines, Non-NC	831	16604
3576	Metal Cutting Machines Tools, NC, N.E.C.	283	18286
3577	Sawing & Cut-Off Machines, Non-NC	1903	25558
3578	Broaching Machines, Non-NC	119	3024
3579	Metal Cutting Machine Tools, Non-NC, N.E.C.	1651	43419
4000	Metal Cutting Machine Tools, Used or Rebuilt*	1962	20983
5000	Metal Cutting Machine Tools, Less Than $2500**	1041115	177346
	TOTAL CUTTING	1077326	1543327
674	METAL FORMING		
1010	Die Casting Machines	514	43685
3582	Metal Forming Machine Tools, Used or Rebuilt	548	5674
3583	Metal Forming Machine Tools, Less Than $2500	30421	11292
3584	Punching and Shearing Machines, Incl. Combination, NC	273	30699
3586	Shearing Machines, Non-NC	662	11575
3587	Punching & Combination Punching & Shearing Machines, Non-NC	570	11374
3588	Bending, Folding, Straightening & Flattening Machines, NC	276	20204
3589	Press Brakes, Non-NC	570	18004
3591	Bending Rolls, Ram & Press Bending Machines, Non-NC	92	1598
3592	Bending, Folding, Str. & Flattening Machines, Non-NC, N.E.C.	1125	35677
3593	Metal Forming Machine Tools, NC, N.E.C.	163	48263
3594	Mechanical Presses, Non-NC	417	56926
3595	Hydraulic Presses, Vertical, Single Action, Non-NC	78	16697
3596	Hydraulic & Pneumatic Presses, Non-NC, N.E.C.	939	89978
3597	Headers & Upsetters, Non-NC	98	10021
3598	Forging Machines, Non-NC, N.E.C.	117	14727
3599	Metal Forming Machine Tools, Non-NC, N.E.C.	2597	69489
	TOTAL FORMING	39460	515382
	TOTAL ALL TYPES	1116786	2058709

*CODE 6744000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674, 3015, 3415, 3326, 3461, 3472, 3502, 3524, & 3573.

**CODE 6745000 SHOWN ABOVE REPRESENTS COMBINED DATA FROM CODES 674, 3100, 3462, 3473, 3503, 3526, & 3574.

U.S. IMPORTS OF MACHINE TOOLS YEAR TO DATE SUMMARY
TOTAL AND COUNTRIES OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1988

	AUSTRIA		BELGIUM		DENMARK		FRANCE		ITALY	
BTA	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3024	0	0	0	0	0	0	0	0	1	20
3035	0	0	0	0	0	0	0	0	0	0
3045	0	0	6	927	0	0	0	0	0	0
3402	0	0	0	0	0	0	5	350	0	0
3406	0	0	0	0	0	0	0	0	0	0
3409	0	0	0	0	0	0	8	317	0	0
34 1	5	204	18	340	0	0	5	64	1	142
34 2	0	0	0	0	0	0	0	0	1	2096
3413	0	0	0	0	0	0	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	0	0	0	0	0
3419	0	0	0	0	0	0	2	180	1	58
3422	0	0	0	0	0	0	0	0	1	403
3423	12	141	0	0	2	59	0	0	12	1116
3428	0	0	0	0	0	0	0	0	8	1501
3429	0	0	0	0	0	0	0	0	6	107
3434	0	0	0	0	0	0	0	0	0	0
3436	0	0	0	0	0	0	0	0	5	43
3442	9	170	1	39	2	41	3	89	67	2512
3464	5	58	0	0	0	0	0	0	16	1772
3466	0	0	3	9	0	0	0	0	0	0
3467	0	0	0	0	0	0	0	0	0	0
3468	0	0	0	0	0	0	3	98	0	0
3469	63	496	3	82	0	0	16	2922	101	2071
3476	0	0	0	0	0	0	0	0	1	571
3477	0	0	0	0	0	0	0	0	28	711
3481	0	0	0	0	0	0	0	0	1	74
3483	0	0	0	0	0	0	0	0	143	1965
3484	0	0	0	0	0	0	0	0	1	19
3506	0	0	0	0	0	0	6	303	1	89
3508	0	0	0	0	0	0	7	579	1	255
3510	0	0	0	0	0	0	0	0	0	0
3512	4	20	0	0	0	0	0	0	1	9
3513	0	0	0	0	0	0	0	0	1	12
3514	0	0	0	0	0	0	3	68	0	0
3515	0	0	0	0	0	0	0	0	0	0
3516	0	0	0	0	0	0	0	0	0	0
3518	0	0	0	0	0	0	11	502	12	205
3605	0	0	0	0	0	0	0	0	0	0
3519	16	689	2	761	0	0	0	0	11	2216
3522	262	4132	0	0	0	0	1	8	13	2070
3547	0	0	2	268	0	0	0	0	2	185
3528	0	0	0	0	0	0	0	0	41	587
3529	2	140	0	0	7	42	15	232	24	210
3533	0	0	0	0	3	50	14	249	47	256
3539	0	0	0	0	0	0	0	0	4	1082
3541	0	0	0	0	0	0	0	0	103	1577
3543	50	420	0	0	0	0	4	22	16	830
3546	0	0	0	0	0	0	0	0	4	362
3554	0	0	1	10	0	0	1	57	10	488
3556	0	0	0	0	0	0	0	0	2	494
3558	0	0	0	0	0	0	0	0	24	902
3559	49	564	7	34	215	1271	79	710	153	2790
3562	0	0	0	0	0	0	0	0	0	0
3564	0	0	1	45	0	0	30	702	0	0
3567	0	0	0	0	0	0	0	0	1	354
3571	0	0	0	0	0	0	1	6	0	0
3576	0	0	0	0	0	0	10	225	1	17
3577	13	194	0	0	0	0	18	416	158	1017
3578	0	0	0	0	0	0	0	0	2	190
3579	4	109	4	43	12	143	100	1114	28	650
4000	2	136	11	369	3	8	14	65	72	833
5000	9631	1485	234	70	477	383	4116	2292	15227	2699
CUT YTD	10127	8968	293	2997	721	1997	4472	12443	16367	43043
1010	1	5	0	0	0	0	0	0	110	1208
3582	1	9	5	180	3	11	8	40	9	13
3583	216	39	541	211	76	97	932	730	1778	433
3584	0	0	0	0	0	0	0	0	1	60
3586	1	83	89	1730	1	27	0	0	40	598
3587	0	0	0	0	1	6	1	48	121	3160
3588	0	0	5	1323	7	125	3	369	12	1615
3589	0	0	84	4743	2	162	0	0	7	27
3591	0	0	0	0	0	0	0	0	9	95
3592	1	7	20	1201	2	205	9	1132	178	4965
3593	0	0	2	8	0	0	0	0	2	381
3594	0	0	0	0	3	9	0	0	4	2879
3595	7	167	0	0	9	51	0	0	0	0
3596	0	0	16	1266	1	322	7	319	27	3867
3597	0	0	20	121	0	0	0	0	15	2031
3598	0	0	0	0	1	125	0	0	19	954
3599	2	52	315	5061	3	690	200	1971	220	6224
DEC YTD	224	362	1097	15844	109	1830	1160	4589	2552	33530
TOT YTD	10351	9330	1390	18841	830	3827	5632	17032	18919	76573

[illegible] MACHINE TOOL [illegible] SUMMARY
TOTAL IMPORTS BY COUNTRY OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1988

STA	NETHERLANDS		PORTUGAL		SPAIN		SWEDEN		SWITZERLAND	
	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
1024	0	0	0	0	0	0	0	0	1	133
1035	0	0	0	0	0	0	0	0	1	0
1045	0	5	0	0	1	6	1	41	2	0
1404	0	0	0	0	1	54	0	0	0	0
1406	0	0	2	5	0	0	2	2	0	0
1408	0	421	0	0	1	163	6	140	2	0
1411	0	0	0	0	1	41	4	535	12	1335
1412	0	0	0	0	0	0	0	0	38	1114
1413	0	0	0	0	0	0	0	0	0	0
1417	0	0	0	0	0	0	4	391	2	0
1418	0	0	0	0	0	0	2	89	5	0
1419	1	118	0	0	0	0	1	52	8	1150
1422	0	0	0	0	1	200	0	0	5	150
1423	3	232	0	0	0	0	0	0	1	54
1428	0	0	0	0	12	128	0	0	0	0
1429	0	0	0	0	1	4	0	0	0	0
1434	0	0	7	45	15	265	2	42	0	0
1436	0	0	0	0	1	4	28	384	0	0
1442	2	48	14	81	88	309	27	691	7	139
1464	0	0	0	0	58	803	2	49	1	27
1466	0	0	0	0	0	0	0	0	1	10
1467	0	0	0	0	1226	7202	0	0	2	0
1468	1	101	0	0	51	497	4	406	1	81
1469	1	39	0	0	176	1702	7	427	17	192
1476	0	0	0	0	0	0	0	0	2	884
1477	0	0	0	0	0	0	0	0	0	0
1481	0	0	0	0	0	0	0	0	0	0
1484	2	39	0	0	3	12	0	0	47	1261
1504	0	0	0	0	0	0	0	0	0	0
1506	0	0	0	0	0	0	0	0	1	1
1508	2	231	0	0	9	1003	3	317	5	1182
1510	0	0	0	0	0	0	26	479	1	17
1512	0	0	0	0	19	894	0	0	1	14
1513	0	0	0	0	0	0	0	0	0	0
1514	0	0	0	0	0	0	0	0	0	0
1515	0	0	0	0	0	0	0	0	0	0
1516	3	86	0	0	0	0	0	0	6	625
1518	1	87	0	0	0	0	5	15	8	480
1525	0	0	0	0	0	0	0	0	8	750
1529	1	6	0	0	5	287	0	0	9	1390
1532	0	0	0	0	14	336	2	18	4	191
1537	0	0	0	0	0	0	7	26	12	182
1538	0	0	0	0	1	129	0	0	99	10068
1539	0	0	0	0	8	607	21	79	0	0
1543	0	0	0	0	4	337	3	179	118	3107
1539	0	0	0	0	2	119	0	0	1	9
1541	0	0	0	0	0	0	0	0	6	917
1543	2	866	0	0	2	124	1	7	4	78
1546	1	423	0	0	1	550	0	0	43	2148
1554	1	84	0	0	0	0	12	918	7	1474
1556	1	13	0	0	0	0	0	0	77	7195
1558	50	1229	0	0	18	48	0	0	2	288
1559	7	514	0	0	11	497	59	1307	29	1031
1562	0	0	0	0	15	455	0	0	56	2682
1564	0	0	0	0	0	0	1	5	125	13618
1567	0	0	0	0	0	0	0	0	50	4798
1571	0	0	0	0	1	83	1	5	0	0
1576	0	0	0	0	2	33	2	363	6	347
1577	47	361	1	19	2	23	1	5	5	641
1578	0	0	0	0	1	4	0	0	6	360
1579	13	506	0	0	22	190	14	291	1	254
4000	7	30	0	0	34	327	13	116	38	1198
4000	4787	1164	28	43	2566	158	1799	1956	73	472
OUT YTD	4934	6998	50	188	4399	18099	2060	10343	5130	512
									6057	76421
1010	11	56	5	140	0	0	0	0	2	610
1582	1	53	0	0	9	63	10	41	26	233
1583	244	127	6	2	524	234	469	195	1807	196
1584	2	74	0	0	0	0	0	0	16	1681
1586	7	109	12	196	22	176	4	111	0	0
1587	0	0	1	50	204	2020	57	868	8	165
1588	1	44	0	0	0	0	0	0	8	558
1589	0	0	34	318	0	0	1	665	4	153
1591	0	0	0	0	0	0	54	964	1	53
1592	42	1669	1	4	0	0	83	1238	23	594
1593	0	0	0	0	0	0	3	92	1	49
1594	1	321	4	44	0	0	0	0	16	2763
1595	0	0	0	0	1	4	1	78	0	0
1596	2	1338	11	147	1	32	20	10216	13	1677
1597	0	0	1	5	0	0	0	0	1	183
1598	0	0	0	0	1	22	1	4	3	1007
1599	19	273	0	0	28	1471	86	1025	87	8922
4M YTD	330	4064	75	906	790	4022	789	15497	2016	8454
TOT YTD	5264	11062	125	1094	5189	22121	2849	25840	8073	84875

[illegible] IMPORTS OF MACHINE TOOLS, YEAR TO DATE SUMMARY
BY COUNTRY AND COUNTRY OF ORIGIN BY TYPE OF MACHINE
DECEMBER 1988

STA	UNITED KINGDOM UNITS	UNITED KINGDOM $000	GERMANY UNITS	GERMANY $000	YUGOSLAVIA UNITS	YUGOSLAVIA $000	CANADA UNITS	CANADA $000	BRAZIL UNITS	BRAZIL $000
1021	1	5	46	8366	0	0	0	0	0	0
1039	7	573	40	2695	0	0	0	0	0	0
1041	1	50	24	3452	0	0	0	0	0	0
1404	177	2198	24	2751	0	0	0	0	0	0
1406	0	0	1	185	0	0	0	0	0	0
1409	88	3466	21	4478	0	0	0	0	0	0
1411	38	3063	51	12340	0	0	16	546	0	0
1412	1	337	46	25238	0	0	0	0	0	0
1413	0	0	0	0	0	0	0	0	0	0
1417	1	758	0	0	0	0	0	0	0	0
1418	2	48	10	4164	4	214	0	0	1	510
1419	0	0	77	6729	4	201	1	40	0	0
1421	0	0	2	320	0	0	1	19	0	0
1423	4	1190	17	799	0	0	0	0	0	0
1428	1	91	1	26	0	0	0	0	0	0
1429	0	0	10	361	0	0	0	0	0	0
1438	0	0	2	6	0	0	1	4	13	109
1446	0	0	42	158	0	0	6	14	0	0
1462	29	789	112	8882	0	0	46	1726	5	0
1464	159	5026	72	4191	0	0	2	148	0	0
1466	5	219	5	83	0	0	0	0	0	0
1467	166	654	2	14	0	0	0	0	0	0
1468	3	101	79	7088	0	0	0	0	0	0
1469	1082	10005	93	11099	0	0	43	508	1	5
1476	3	213	1	381	0	0	0	0	0	0
1477	2	155	4	180	0	0	0	0	0	0
1481	1	169	2	290	0	0	0	0	0	0
1483	11	1590	104	2019	0	0	29	433	0	0
1504	2	210	4	1058	0	0	0	0	0	0
1506	149	3364	78	10076	0	0	0	0	66	167
1508	2	334	13	2148	0	0	0	0	12	54
1510	0	0	4	202	0	0	0	0	0	0
1512	599	7275	1	1311	116	881	5	51	572	3496
1513	0	0	1	3	0	0	0	0	6	107
1514	10	484	1	537	0	0	0	0	0	0
1515	0	0	4	97	0	0	0	0	0	0
1516	8	790	1	34	0	0	1	29	0	0
1518	28	723	7	1018	0	0	3	23	155	753
1525	2	200	3	70	0	0	0	0	0	0
1529	6	171	11	1773	0	0	2	113	0	0
1532	145	2661	38	3542	0	0	94	1834	87	461
1533	36	936	56	9014	0	0	1	9	0	0
1538	3	323	6	419	0	0	1	52	0	0
1539	170	2423	380	20096	0	0	35	756	0	0
1553	117	1863	34	4962	0	0	3	17	0	0
1559	9	1372	13	2489	0	0	0	0	0	0
1561	0	0	12	990	0	0	0	0	0	0
1563	17	801	179	3321	13	100	58	256	2	200
1566	3	296	99	12360	0	0	0	0	0	0
1574	23	329	75	834	0	0	1	13	0	0
1576	0	0	24	2603	0	0	0	0	0	0
1578	4	17	3	115	0	0	0	0	0	0
1579	113	4543	208	8654	0	0	38	480	0	0
1582	2	45	6	463	0	0	0	0	0	0
1584	8	105	33	1818	0	0	1	30	0	0
1587	8	205	8	780	0	0	0	0	0	0
1591	56	4741	81	3848	0	0	6	144	0	0
1596	17	536	49	7322	0	0	10	230	0	0
1597	261	914	285	3887	86	247	149	1549	0	0
1598	22	1218	91	1324	0	0	0	0	0	0
1599	252	4586	349	9252	0	0	298	6630	2	17
5000	338	2930	228	4060	3	113	380	1236	2	42
6000	6815	2425	15594	2897	186	285	6824	2341	82	116
OUT YTD	11005	88690	18893	228142	412	2041	8055	19251	1032	6110
1010	29	326	79	1933	0	0	161	12018	0	0
1582	114	366	33	635	0	0	196	2168	0	0
1583	288	110	3509	2331	0	0	533	373	1	1
1584	1	297	76	5714	0	0	0	0	0	0
1586	148	907	59	1846	0	0	46	1142	3	15
1587	6	24	67	994	0	0	30	757	0	0
1588	10	1461	18	2759	0	0	20	763	0	0
1589	3	34	2	168	1	6	140	4271	0	0
1591	11	66	2	100	0	0	7	211	0	0
1592	49	2898	114	2270	0	0	312	6095	2	8
1593	3	967	2	1366	0	0	1	813	0	0
1594	12	2519	56	4836	1	220	17	663	6	235
1595	2	261	5	269	0	0	20	954	5	4378
1596	133	1456	72	5995	0	0	152	1602	12	18487
1597	0	0	7	452	0	0	3	37	0	0
1598	19	106	27	1792	0	0	1	14	0	0
1599	114	5316	635	15869	0	0	200	5475	14	58
NOM YTD	942	17114	4763	49328	2	226	839	37356	43	23242
TOT YTD	11947	105804	23656	277470	414	2267	8894	56607	1075	29352

	CHINA		ISRAEL		JAPAN		KOREAN REP		SINGAPORE	
674	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000	UNITS	$000
3004	1	75	0	0	15	1929	1	120	1	9
3019	2	2	0	0	1	476	2	0	0	0
2044	1	48	0	0	1	22	0	0	0	0
3404	6	90	0	0	368	14739	0	97	90	848
3405	0	0	0	0	20	5986	0	0	0	0
3409	5	91	0	0	510	20289	30	456	0	0
3412	6	95	0	0	118	17941	25	1302	0	0
3413	0	0	0	0	45	12282	0	0	0	0
3417	0	0	0	0	0	0	0	0	0	0
3418	0	0	0	0	0	357	0	0	0	0
3418	0	0	0	0	27	3795	0	0	0	0
3419	0	0	0	0	10	2738	0	0	0	0
3422	0	0	0	0	0	0	0	0	0	0
3423	0	0	0	0	2	11	0	0	0	0
3428	0	0	0	0	241	9719	0	0	0	0
3429	0	0	0	0	57	637	0	0	0	0
3434	1	50	0	0	3	96	0	0	0	0
3436	1	92	0	0	5	78	0	0	0	0
3441	1	16	0	0	88	1192	2	70	1	8
3444	0	0	0	0	22	14161	0	0	6	171
3446	0	0	0	0	10	1219	0	0	0	0
3447	2	148	0	0	30	1214	0	0	0	0
3448	42	144	2	61	41	1136	0	0	0	0
3449	115	555	10	683	65	2999	3	64	6	71
3476	0	0	0	0	3	494	0	0	0	0
3477	0	0	0	0	3	125	3	128	0	0
3481	0	0	0	0	10	2485	0	0	0	0
3484	0	0	15	45	20	578	0	0	0	0
3504	6	41	0	0	152	18481	0	0	0	0
3506	7	31	0	0	2769	188087	125	5837	55	954
3508	0	0	0	0	444	57281	5	274	0	0
3509	8	33	0	0	22	3243	0	0	0	0
3512	237	1074	0	0	34	1111	319	2468	204	1995
3513	0	0	0	0	8	762	0	0	0	0
3514	0	0	0	0	6	490	0	0	0	0
3515	2	10	0	0	83	2411	0	0	0	0
3516	0	0	0	0	24	817	0	0	0	0
3518	19	83	0	0	12	1420	0	0	0	0
3505	10	28	0	0	39	7595	0	0	0	0
3519	0	0	0	0	81	8325	13	1250	0	0
3522	113	445	0	0	93	4352	122	1532	2	14
3527	0	0	0	0	143	2677	0	0	0	0
3528	0	0	0	0	52	5706	0	0	0	0
3524	18	57	0	0	124	3726	0	0	4	5
3531	0	0	0	0	101	8159	1	116	0	0
3539	0	0	0	0	20	1699	2	153	0	0
3541	0	0	0	0	45	2768	0	0	486	5920
3543	28	135	1	109	496	7850	0	0	0	0
3546	0	0	0	0	66	11251	0	0	0	0
3554	8	39	0	0	95	2248	0	0	0	0
3556	7	56	0	0	10	925	0	0	0	0
3558	9	120	0	0	7	580	0	0	0	0
3559	37	568	0	0	209	18194	0	0	0	0
3562	0	0	0	0	639	50076	0	0	0	0
3564	1	38	0	0	118	6901	1	12	0	0
3567	0	0	0	0	90	12821	0	0	0	0
3571	6	54	0	0	619	7138	0	0	0	0
3576	1	18	0	0	173	8070	0	0	0	0
3577	2	15	33	1619	352	12348	4	126	1	5
3578	0	0	0	0	2	34	0	0	0	0
3579	3	20	0	0	392	17669	1	5	0	0
4000	0	0	1	2	219	8391	2	12	20	11
5000	54367	3018	328	20	89763	14988	1157	298	84	75
OUT REG	55101	7422	392	2709	100361	829245	7820	14409	904	10962
1010	0	0	0	0	77	27326	0	0	0	0
3582	0	0	1	50	112	1098	2	24	0	0
3581	17	24	6	11	5890	2233	507	182	222	114
3584	0	0	0	0	176	22660	0	0	0	0
3586	0	0	18	346	130	3361	1	15	54	593
3587	0	0	0	0	35	2790	0	0	0	0
3588	2	14	0	0	179	10758	0	0	0	0
3589	0	0	4	128	170	6015	1	22	54	278
3591	0	0	0	0	8	109	0	0	0	0
3592	0	0	18	187	218	10725	4	29	0	0
3593	0	0	0	0	137	44120	0	0	0	0
3594	0	0	0	0	253	11276	0	0	0	0
3595	0	0	0	0	29	30456	0	0	0	0
3596	9	51	0	0	361	37662	0	0	0	0
3597	0	0	2	76	49	7116	0	0	0	0
3598	2	58	0	0	11	3852	0	0	0	0
3599	1	10	20	281	561	15648	41	187	2	86
FRM REG	30	87	69	1079	8398	279206	556	459	332	1071
TOT REG	55131	7609	461	3788	108759	1112451	2376	14868	1236	12133

	SATANN		ABS RHEIM		ALL OTHERS	
STA	UNITS	$000	UNITS	$000	UNITS	$000
3025	0	0	0	0	8	180
3035	0	0	0	0	0	0
3045	0	0	0	0	1	16
3404	154	7169	0	0	0	0
3406	18	835	0	0	0	0
3409	6	140	0	0	0	0
3411	8	799	0	0	5	602
3412	0	0	0	0	0	0
3413	0	0	0	0	0	0
3417	10	130	0	0	0	0
3418	0	0	0	0	0	0
3419	20	566	0	0	0	0
3422	0	0	0	0	1	64
3423	138	544	0	0	1	12
3328	6	169	0	0	0	0
3329	0	0	0	0	0	0
3334	122	593	0	0	5	28
3336	59	457	0	0	2	224
3342	71	678	1	3	2	110
3464	73	2333	1	20	0	0
3466	5	356	0	0	0	0
3467	1678	8964	70	0	13	146
3468	84	729	1	10	2	21
3469	438	3209	2	912	35	706
3476	0	0	0	0	0	0
3477	0	0	0	0	1	69
3481	0	0	0	0	0	0
3483	0	0	2	36	22	751
3504	6	335	0	0	0	0
3506	189	7238	0	0	13	216
3508	19	837	0	0	0	0
3510	0	0	0	0	0	0
3512	1006	6609	0	0	263	3229
3513	35	251	0	0	0	0
3514	0	0	0	0	0	0
3515	24	248	0	0	0	0
3516	0	0	0	0	0	0
3518	11	60	0	0	1	38
3505	3	116	0	0	1	13
3519	0	0	0	0	2	86
3522	56	488	9	101	16	212
3527	173	1141	1	22	4	192
3528	2	24	0	0	0	0
3529	187	1066	14	177	13	178
3533	0	0	0	0	1	3
3539	6	105	0	0	0	0
3541	82	578	0	0	0	0
3543	1107	6384	0	0	34	482
3546	1	10	0	0	1	111
3554	34	247	0	0	2	51
3556	0	0	0	0	4	74
3558	18	129	0	0	3	56
3559	137	957	5	160	26	221
3562	50	383	23	235	0	0
3564	39	444	74	830	0	0
3567	0	0	0	0	3	107
3571	52	45	2	193	0	0
3576	8	528	3	255	2	48
3577	476	2422	1	7	7	23
3578	0	0	0	0	0	0
3579	109	604	1	154	9	238
4000	466	594	6	21	78	715
5000	767971	58024	392	199	53557	1878
CUT YTD	775168	128836	538	3335	54165	10900
1010	4	43	0	0	35	20
3582	6	76	7	214	6	380
3583	12057	2909	1	1	797	739
3584	0	0	0	0	1	213
3586	14	87	0	0	13	233
3587	17	226	0	0	22	267
3588	0	0	0	0	12	435
3589	53	408	0	0	8	96
3591	0	0	0	0	0	0
3592	19	122	0	0	30	227
3593	4	99	0	0	8	366
3594	38	1194	0	0	6	467
3595	2	26	0	0	2	53
3596	65	986	0	0	37	1445
3597	0	0	0	0	0	0
3598	32	293	0	0	0	0
3599	17	183	2	12	26	650
FRM YTD	12328	6652	14	232	1072	5593
TOT YTD	787496	135488	552	1567	55177	16493

[illegible] IMPORTS OF MACHINE TOOLS [illegible] SUMMARY [illegible] ORIGIN

[illegible]

[illegible]

	[illegible]	ING	[illegible]	[illegible]	[illegible]	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER ASIA						
ABU N	0	0	0	0	0	0
AFGHANISTAN	0	0	0	0	0	0
ARAB EMIRATE	0	0	0	0	0	0
BAHRAIN	0	0	0	0	0	0
BANGLADESH	0	0	0	0	0	0
BRUNEI	0	0	0	0	0	0
BURMA	0	0	0	0	0	0
GAZA STRIP	0	0	0	0	0	0
HONG KONG	249	319	27	159	276	478
INDIA	254	510	30	38	284	548
INDONESIA	0	0	0	0	0	0
IRAN	0	0	0	0	0	0
IRAQ	0	0	0	0	0	0
JORDAN	608	82	0	0	608	82
KUWAIT	0	0	0	0	0	0
LEBANON	0	0	0	0	0	0
MALAYSIA	1	2	1	5	2	7
NEPAL	0	0	0	0	0	0
OMAN	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0
PHILIPPINES	17	39	0	0	17	39
QATAR	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	0	0
SRI LANKA	0	0	0	0	0	0
SYRIA	0	0	0	0	0	0
THAILAND	0	0	22	24	22	24
TURKEY	0	0	0	0	0	0
YEMEN	0	0	0	0	0	0
OTHER ASIA	0	0	0	0	0	0
TOTAL	1129	1052	80	226	1209	1278
OTHER AFRICA						
AFARS & ISSAS	0	0	0	0	0	0
ALGERIA	0	0	0	0	0	0
ANGOLA	0	0	0	0	0	0
BENIN	0	0	0	0	0	0
BOTSWANA	0	0	0	0	0	0
CAMEROON	0	0	0	0	0	0
CANARY ISLANDS	0	0	0	0	0	0
DAHOMEY	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0
ETHIOPIA	0	0	0	0	0	0
GABON	0	0	0	0	0	0
GHANA	5	46	1	115	6	161
GUINEA	0	0	0	0	0	0
IVORY COAST	0	0	0	0	0	0
KENYA	0	0	1	67	1	67
LESOTHO	0	0	0	0	0	0
LIBERIA	0	0	0	0	0	0
LIBYA	0	0	0	0	0	0
MALAG REP	0	0	0	0	0	0
MALAWI	0	0	0	0	0	0
MAURITANIA	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0
MOROCCO	0	0	0	0	0	0
MOZAMBIQUE	0	0	0	0	0	0
NIGER	0	0	0	0	0	0
NIGERIA	0	0	1	52	1	52
REP S AFRICA	6	4	220	41	226	45
RWANDA	0	0	0	0	0	0
SENEGAL	0	0	0	0	0	0
SIERRA LEONE	0	0	0	0	0	0
SOMALIA	0	0	0	0	0	0
S W AFRICA	0	0	0	0	0	0
SUDAN	0	0	0	0	0	0
SWA/ILAND	3	24	0	0	3	24
TANZANIA	0	0	0	0	0	0
TOGO	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	0
UGANDA	0	0	0	0	0	0
ZAIRE	0	0	0	0	0	0
ZAMBIA	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	0	0
OTH WEST AFR	0	0	0	0	0	0
OTHER AFRICA	0	0	0	0	0	0
TOTAL	14	74	223	275	237	349

SOURCE U.S. DEPARTMENT OF COMMERCE CENSUS REPORT TO [illegible] NATIONAL MACHINE TOOL BUILDERS ASSOCIATION

NOTES [illegible] A DOLLAR AMOUNT LESS THAN $500 [illegible] NOT [illegible]
INDIVIDUAL ITEMS MAY NOT ADD TO TOTALS DUE TO ROUNDING [illegible]
AS REFLECTED IN THE GOVERNMENT STATISTICS ARE ACTUALLY [illegible]
REFLECT VALUES IN THE COUNTRY OF ORIGIN AND DO NOT INCLUDE OCEAN FREIGHT
INSURANCE, COMMISSIONS OR IMPORT DUTIES

	MILK COOLING		MILK WARMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
OTHER EUROPE						
AZORES	0	0	0	0	0	0
BULGARIA	0	0	0	0	0	0
CYPRUS	0	0	0	0	0	0
CZECHOSLOVAKIA	88	1651	1	1	89	1652
EAST GERMANY	21	3125	5	238	76	3363
FINLAND	21	430	148	791	169	2221
GIBRALTAR	0	0	0	0	0	0
GREECE	1	4	12	431	13	435
HUNGARY	17	371	0	0	17	371
ICELAND	0	0	0	0	0	0
IRELAND	104	27	10	1	114	10
MALTA	0	0	0	0	0	0
NORWAY	8	132	55	530	63	662
POLAND	223	3250	0	0	223	3250
ROMANIA	1	10	0	0	1	10
USSR	5	411	2	23	7	434
OTHER EUROPE	96	118	6	1	102	119
TOTAL	645	7525	239	3018	884	10543
OTHER NORTH AND CENTRAL AMERICA						
BAHAMAS	0	0	0	0	0	0
BARBADOS	0	0	10	34	10	34
BELIZE	0	0	0	0	0	0
BERMUDA	0	0	0	0	0	0
CAYMAN	0	0	0	0	0	0
COSTA RICA	0	0	0	0	0	0
DOMINICAN REP	120	41	0	0	120	41
FR W INDIES	0	0	0	0	0	0
GUATEMALA	0	0	0	0	0	0
HAITI	0	0	0	0	0	0
HONDURAS	0	0	0	0	0	0
JAMAICA	0	0	0	0	0	0
LEEWARD IS	0	0	0	0	0	0
MEXICO	52214	1875	392	1604	52606	3479
NICARAGUA	0	0	0	0	0	0
N ANTILLES	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0
SALVADOR	0	0	0	0	0	0
TRINIDAD	0	0	0	0	0	0
TURK ISLAND	0	0	0	0	0	0
OTHER N & C AM	0	0	0	0	0	0
TOTAL	52334	1916	402	1638	52736	3554
OTHER SOUTH AMERICA						
ARGENTINA	32	285	1	47	33	332
BOLIVIA	0	0	0	0	0	0
CHILE	0	0	0	0	0	0
COLOMBIA	0	0	4	8	4	8
ECUADOR	3	26	0	0	3	26
FRENCH GUIANA	0	0	0	0	0	0
GUYANA	0	0	0	0	0	0
PARAGUAY	0	0	0	0	0	0
PERU	0	0	0	0	0	0
SURINAM	0	0	0	0	0	0
URAGUAY	0	0	0	0	0	0
VENEZUELA	7	15	0	0	7	15
OTHER S AM	0	0	0	0	0	0
TOTAL	42	326	5	55	47	381
OTHER OCEANIA						
FR PAC IS	0	0	0	0	0	0
NEW GUINEA	0	0	0	0	0	0
NEW ZEALAND	1	7	53	381	54	388
SAMOA	0	0	0	0	0	0
TERR PAC IS	0	0	0	0	0	0
OTH PAC IS	0	0	0	0	0	0
OTHER OCEANIA	0	0	0	0	0	0
TOTAL	1	7	53	381	54	388